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Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An airbreathing fuel cell
comprising
end plates,
a unit cell disposed between the two end plates,
a fuel distribution manifold disposed centrally of the
unit cell to supply a fuel to the unit cell,
a single tie bolt extending centrally through the fuel
distribution manifold and through the unit cell to untie these
elements,
fixing nuts screwed onto both ends of the tie bolt to
integrally clamp the unit cell between the end plates with O-
rings or the like therebetween, and
a cell stack formed by stacking a plurality of those
said unit cells, which comprise a solid polymer electrolyte
membrane, an oxygen passage plate and a fuel electrode, which are
provided on both sides of the solid polymer electrolyte membrane
to be opposed to each other, the oxygen passage plate provided
adjacent and toward the oxygen electrode, and
separator plates provided adjacent and outside the
oxygen passage plate and the fuel electrode, and

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wherein the fuel distribution manifold is formed into
a rod-shaped body having a polygonal-shaped cross section,
a fuel supply passage is formed in the tie bolt, and
a plurality of fuel distribution passages are provided
to be communicated to the fuel supply passage and formed between
central holes of the unit cells and an outer peripheral surface
of the fuel distribution manifold

- 2. (Original) The airbreathing fuel cell according to claim 1, wherein the fuel distribution manifold comprises radial cut grooves formed on both axial ends thereof, and a fuel is supplied to the unit cells through the cut grooves and the fuel distribution passages from an end of the fuel distribution manifold.
- 3. (Original) The airbreathing fuel cell according to claim 1, wherein the fuel supply passage in the tie bolt extends from both ends of the tie bolt to positions on both ends of the cell stack along a central axis of the tie bolt and radially in the positions on both ends of the cell stack to be communicated to the fuel distribution passages.
- 4. (Original) The airbreathing fuel cell according to claim 2, wherein the fuel supply passage in the tie bolt extends from both ends of the tie bolt to positions on both ends of the cell stack along a central axis of the tie bolt and

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radially in the positions on both ends of the cell stack to be communicated to the fuel distribution passages.

- 5. (Original) The airbreathing fuel cell according to claim 1, wherein the fuel distribution passages have a substantially sector-shaped cross section and extend axially along the fuel distribution manifold.
- 6. (Original) The airbreathing fuel cell according to claim 2, wherein the fuel distribution passages have a substantially sector-shaped cross section and extend axially along the fuel distribution manifold.
- 7. (Original) The airbreathing fuel cell according to claim 3, wherein the fuel distribution passages have a substantially sector-shaped cross section and extend axially along the fuel distribution manifold.
- 8. (Original) The airbreathing fuel cell according to claim 4, wherein the fuel distribution passages have a substantially sector-shaped cross section and extend axially along the fuel distribution manifold.
- 9. (New) The airbreathing fuel cell of claim 1, further comprising O-rings between the end plates and the unit cell.